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Patent
Attorney's Docket No. 0400001-128

UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of)

Peter LARSSON)

Application No.: 09/995,759)

Filed: November 29, 2001)

For: METHODS AND ARRANGEMENTS IN)
A TELECOMMUNICATIONS SYSTEM)

Group Art Unit: 2681

Examiner: Unassigned

**INFORMATION DISCLOSURE STATEMENT
TRANSMITTAL LETTER**Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

Enclosed is an Information Disclosure Statement and accompanying form PTO-1449 for the above-identified patent application.

- ☒ No additional fee for submission of an IDS is required.
- ☐ The fee of \$180.00 (126) as set forth in 37 C.F.R. § 1.17(p) is also enclosed.
- ☐ A certification under 37 C.F.R. § 1.97(e) is also enclosed.
- ☐ A certification under 37 C.F.R. § 1.97(e), and the fee of \$180.00 (126) as set forth in 37 C.F.R. § 1.17(p) are also enclosed.
- ☐ Charge \$_____ to Deposit Account No. 02-4800 for the fee due.
- ☐ A check in the amount of \$_____ is enclosed for the fee due.

The Commissioner is hereby authorized to charge any appropriate fees under 37 C.F.R. §§ 1.16, 1.17 and 1.21 that may be required by this paper, and to credit any overpayment, to Deposit Account No. 02-4800. This paper is submitted in duplicate.

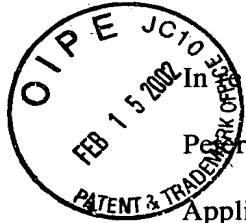
Respectfully submitted,

BURNS, DOANE, SWECKER & MATHIS, L.L.P.

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Alexandria, Virginia 22313-1404
(703) 836-6620By: Kenneth B. Leffler
Registration No. 36,075

Date: February 15, 2002

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE



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Per LARSSON) Group Art Unit: 2681
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INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

In accordance with the duty of disclosure as set forth in 37 C.F.R. § 1.56, Applicant hereby submits the following information in conformance with 37 C.F.R. §§ 1.97 and 1.98. Pursuant to 37 C.F.R. § 1.98, a copy of each of the documents cited is enclosed.

**European Standard Search Report issued in connection with Application
No. SEA 0004403, mailed August 29, 2001:**

Won Gi Jeon et al: "An efficient channel estimation technique for OFDM systems with transmitter diversity", Proceedings of 11th International Symposium on Personal, Indoor and Mobile Radio Communication, Vol. 2, 18-21 September 2000, pages 1246-1250, XP002175336, London, UK. Page 1246, paragraph 1; page 1249, paragraph 2.

Li Y et al: "Channel Estimation for OFDM Systems With Transmitter Diversity in Mobile Wireless Channels", IEEE Journal on Selected Areas in Communications, IEEE Inc. New York, US. Vol. 17, No. 3, March 1999, pages 461-470, XP000804975.

**International Search Report issued in connection with International Application
No. PCT/SE01/02292, mailed January 29, 2002:**

U.S. Patent No. 6,005,876, issued December 21, 1999, to Cimini, Jr. et al.

U.S. Patent No. 6,144,711, issued November 7, 2000, to Raleigh et al.

U.S. Patent No. 6,115,427, issued September 5, 2000, to Calderbank et al.

U.S. Patent No. 6,131,016, issued October 10, 2000, to Greenstein et al.

U.S. Patent No. 5,867,478, issued February 2, 1999, to Baum et al.

European Patent Publication No. EP 1047209 A1, October 25, 2000.

European Patent Publication No. EP 0903898 A2, March 24, 1999.

The documents are being submitted within 3 months of the filing or entry of the national stage of this application or before the first Office Action on the merits, whichever is later, therefore no fee or statement is required under 37 C.F.R. § 1.97(b).

To assist the Examiner, the documents are listed on the attached form PTO-1449. It is respectfully requested that an Examiner initialed copy of this form be returned to the undersigned.

Respectfully submitted,

BURNS, DOANE, SWECKER & MATHIS, L.L.P.

By:


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Date: February 15, 2002

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

ATTORNEY'S DKT NO.

040001-128

APPLICATION No.

09/995,759

APPLICANT

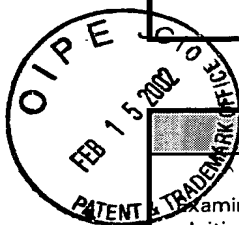
Peter LARSSON

FILING DATE

November 29, 2001

GROUP

2681



U.S. PATENT DOCUMENTS

Examiner Initials	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication (MM-DD-YYYY)
	Number	Kind Code (if known)		
	6,005,876		Cimini, Jr. et al.	December 21, 1999
	6,144,711		Raleigh et al.	November 7, 2000
	6,115,427		Calderbank et al.	September 5, 2000
	6,131,016		Greenstein et al.	October 10, 2000
	5,867,478		Baum et al.	February 2, 1999

FOREIGN PATENT DOCUMENTS

Examiner Initials	Foreign Patent Document		Country	Date of Publication (MM-DD-YYYY)	Translation	
	Number	Kind Code (if known)			Yes	no
	EP1047209A1		Europe	October 25, 2000		
	EP0903898A2		Europe	March 24, 1999		

NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Include name of author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
	WON GI JEON et al: "An efficient channel estimation technique for OFDM systems with transmitter diversity", Proceedings of 11 th International Symposium on Personal, Indoor and Mobile Radio Communication, Vol. 2, 18-21 September 2000, pages 1246-1250, XP002175336, London, UK. Page 1246, paragraph 1; page 1249, paragraph 2.
	LI Y et al: "Channel Estimation for OFDM Systems With Transmitter Diversity in Mobile Wireless Channels", IEEE Journal on Selected Areas in Communications, IEEE Inc. New York, US. Vol. 17, No. 3, March 1999, pages 461-470, XP000804975.
Examiner Signature	Date Considered

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. SEND TO: Assistant Commissioner for Patents, Washington, D.C. 20231.